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ENTERPRISE INFORMATION SYSTEMS (EIS)

SPECIAL ISSUE ON

SOFTWARE ENGINEERING METHODS AND PRACTICES FOR ENTERPRISE RESOURCE PLANNING (ERP) SYSTEMS

Enterprise Information Systems (EIS) is a refereed research journal to provide an international forum for the research and application of enterprise information systems. EIS will publish **a special issue dedicated to the topic "Software Engineering Methods and Practices for Enterprise Resource Planning (ERP) Systems" in late 2010.** The success of an enterprise today is highly dependent on its information system. Such information systems range from the enterprise-wide systems as ERP to the individual information systems. The information system of an enterprise is composed of both software and hardware, and information can be represented in both the human cognitive system and in the digital device system. ERP projects appear to be a dream comes true. ERP is an integrated software solution to manage an organization's core business and information-processing needs. ERP projects are a subclass of software projects often accompanied by large-scale organizational changes. Despite the promise of ERP, difficulties and high failure rates in implementing ERP systems have been widely reported.

Though ERP is a packaged software, most of the current research addresses managerial, social, and organizational issues during ERP implementation. Software engineering is a discipline that integrates process, methods and tools for the development of computer software. For ERP implementation to be successful, ERP has to be viewed from the software engineering aspect as well. This is fulfilled in this special issue by focusing on the software engineering methods and practices required for the ERP implementation. As a high quality peer-reviewed journal, EIS proposes and fosters discussion on empirical and theoretical work on Enterprise Resource Planning (ERP). The journal seeks to provide a bridge between those conducting research on managerial and technical aspects of ERP.

Specific topics of interest include, but are not limited to:

- Requirements management for ERP projects
- Risk management during ERP implementation
- Mathematical modeling for ERP integration
- Effort estimation
- Cost estimation model for ERP
- Configuration management for ERP
- Software architecture for ERP
- Software metrics
- Software requirements specification (SRS) for ERP
- Project management
- Business modeling using Unified Modeling Language
- Quality assurance issues for ERP software
- Case Studies and technical requirements for ERP
- Knowledge management during ERP implementation
- Trust, security, and privacy issues in ERP
- Agile Software Development
- Software components for ERP

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